

## ABSTRACT

5 A decoding device 1 decodes a bit stream including  
a plurality of packets. Data corresponding to an access unit  
includes a first data portion 150a-1 and a second data  
portion 150a-2. The decoding device 1 includes a packet  
regeneration section 10 for receiving a first packet 130  
and a second packet 130 following the first packet 130, and  
when the first packet 130 includes the first data por-  
10 tion 150a-1 and the second packet 130 includes the second  
data portion 150a-2, producing a new packet 164 including  
the data corresponding to the access unit by combining the  
first data portion 150a-1 and the second data portion 150a-2.  
The decoding device 1 also includes a decoding section 40  
15 for decoding the data corresponding to the access unit. The  
new packet 164 includes information indicating a length of  
the data corresponding to the access unit.

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